

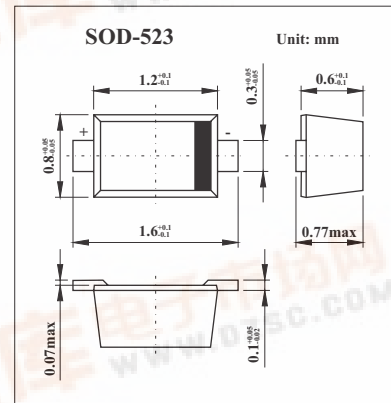
SMD Type Diodes

HIGH SPEED SWITCHING APPLICATION

1SS388

■ Features

- Small Package
- Low Forward Voltage : $V_{F(3)} = 0.54V(TYP.)$
- Low Reverse Current : $I_R = 5 Ma(TYP.)$



■ Absolute Maximum Ratings  $T_a = 25^{\circ}C$

Characteristic	Symbol	Rating	Unit
Maximum (Peak) reverse voltage	$V_{RM}$	85	V
Reverse voltage	$V_R$	80	V
Maximum (Peak) forward current	$I_{FM}$	200	mA
Average forward current	$I_O$	100	mA
Surge current (10 ms)	$I_{FSM}$	1	A
Power dissipation	$P^*$	150	mW
Junction temperature	$T_j$	125	$^{\circ}C$
Storage temperature range	$T_{stg}$	-55 to + 125	$^{\circ}C$
Operating temperature range	$T_{opr}$	-44 to + 100	$^{\circ}C$

\* : Mounted on a glass epoxy circuit board of 20 × 20mm, pad dimension of 4 × 4mm.

■ Electrical Characteristics  $T_a = 25^{\circ}C$

Characteristic	Symbol	Conditions	Min	Typ	Max	Unit
Continuous forward voltage	$V_F$	$I_F = 1 mA$		0.28		V
		$I_F = 10 mA$		0.36		
		$I_F = 50 mA$		0.54	0.6	
Reverse current	$I_R$	$V_R = 10 V$			5	$\mu A$
Total capacitance	$C_T$	$V_R = 0 V, f = 1 MHz$		18	25	pF

■ Marking

Marking	S3
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